$1.00

OWNER'S GUIDE

ASSEMBLY • OPERATION • MAINTENANCE • PARTS



(Model 176B Shown)

21″ CONVERTIBLE ROTARY MOWERS

Model Numbers
129-166B000
129-176B000
190-077-000

Important: Read Safety Rules and Instructions Carefully

PRINTED IN U.S.A.

FORM NO. 770-6308D

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Dear Customer,

So often throughout the year we are all in a rush to meet our daily obligations.

However, we at MTD Products Inc are taking a quick moment out to say. . .

"Thank you for your business."

Sincerely,
MTD PRODUCTS INC

INSTRUCTIONS GIVEN WITH THIS SYMBOL ARE FOR PERSONAL SAFETY. BE SURE TO FOLLOW THEM.

LIMITED WARRANTY

For one year from the date of origina retail purchase, MTD PRODUCTS INC will either repair or replace, at its option, free of charge, F.O.B. factory or authorized service firm, any part or parts found to be defective in material or workmanship. Transportation charges for the movement of any power equipment unit or attachment are the responsibility of the purchaser. Transportation charges for any parts submitted for replacement under this warranty must be paid by the purchaser unless such return is requested by MTD PRODUCTS INC.

This warranty will not apply to any part which has become inoperative due to misuse, excessive use, accident, neglect, improper maintenance, alterations, or unless the unit has been operated and maintained in accordance with the instructions furnished. This warranty does not apply to the engine, Peerless components, motor, battery (except as noted below) or component parts thereof. Please refer to the applicable manufacturer's warranty on these items.

A battery which proves defective within ninety (90) days will be replaced without charge. After 90 days but within one year from the date of purchase, MTD will replace the defective battery for a charge of 1/12 of the current retail price of the battery for each full 30 day period between the date of purchase and the date of return.

This warranty will not apply where the unit has been used commercially.

Warranty service is available through your local authorized service dealer or distributor. If you do not know the dealer or distributor in your area, please write to the Customer Service Department of MTD.

The return of a complete unit will not be accepted by the factory unless prior written permission has been extended by MTD.

This warranty gives you specific legal rights. You may also have other rights which vary from state to state.

WARNING: This unit is equipped with an internal combustion engine and should not be used on or near any unimproved forest-covered, brush-covered or grass covered land unless the engine's exhaust system is equipped with a spark arrester meeting applicable local or state laws (if any). If a spark arrester is used, it should be maintained in effective working order by the operator.

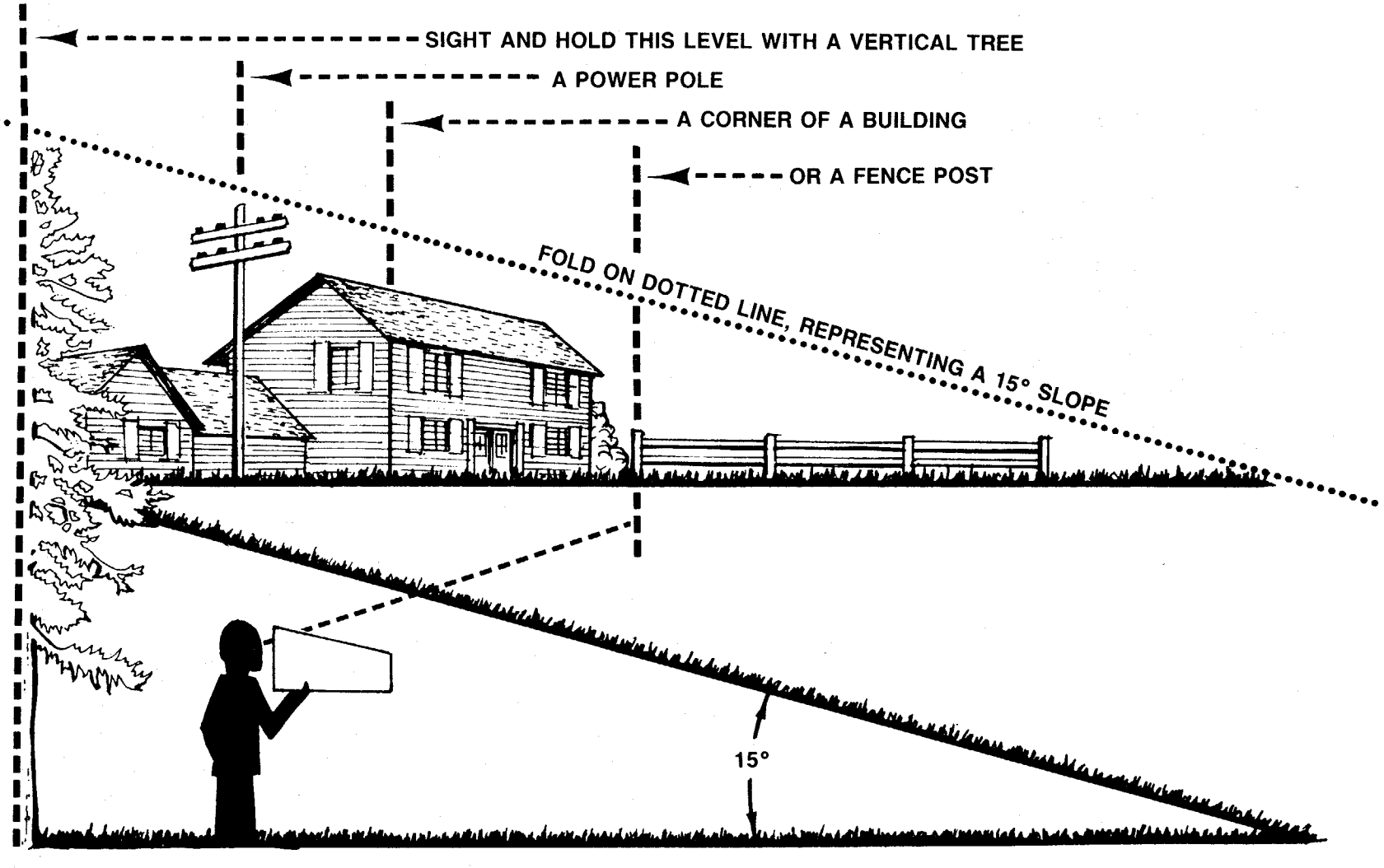
In the State of California the above is required by law (Section 4442 of the California Public Resources Code). Other states may have similar laws. Federal laws apply on federal lands. A spark arrester for the muffler is available through your nearest engine authorized service dealer.

Cut Along This Line

SLOPE GAUGE

(Keep this sheet in a safe place for future reference.)

USE THIS SHEET AS A GUIDE TO DETERMINE SLOPES WHERE YOU MAY NOT OPERATE SAFELY.



WARNING

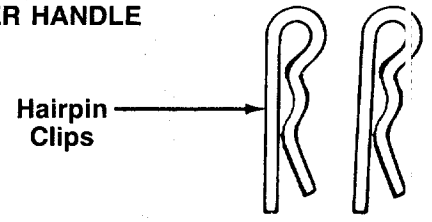
Do not mow on inclines with a slope in excess of 15 degrees (a rise of approximately 2½ feet every 10 feet). A riding mower could overturn and cause serious injury. If operating a walk-behind mower on such a slope, it is extremely difficult to maintain your footing and you could slip, resulting in serious injury.

Operate RIDING mowers up and down slopes, never across the face of slopes.
Operate WALK-BEHIND mowers across the face of slopes, never up and down slopes.

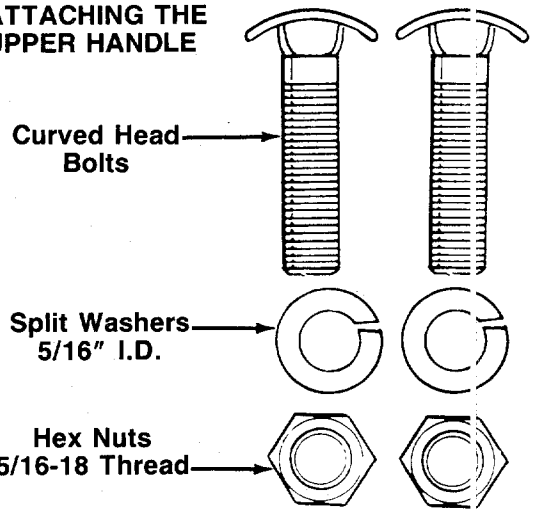
CONTENTS OF HARDWARE PACK

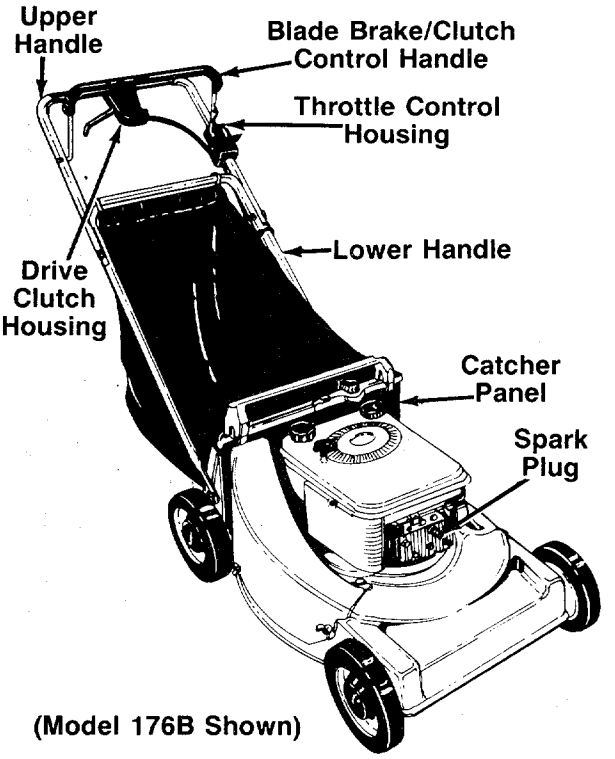
Remove this sheet from your owner's manual and lay the hardware on the illustration for identification purposes. After assembly, keep the Slope Gauge which is on the reverse side of this sheet for future use.
(Hardware pack may contain extra items which are not used on your unit.)

A ATTACHING THE LOWER HANDLE



B ATTACHING THE UPPER HANDLE

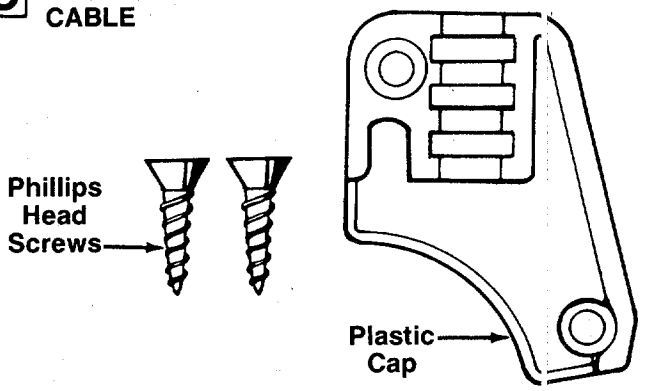




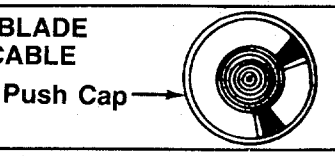
(Model 176B Shown)

PARTS INFORMATION

C ATTACHING THE DRIVE CLUTCH CONTROL CABLE



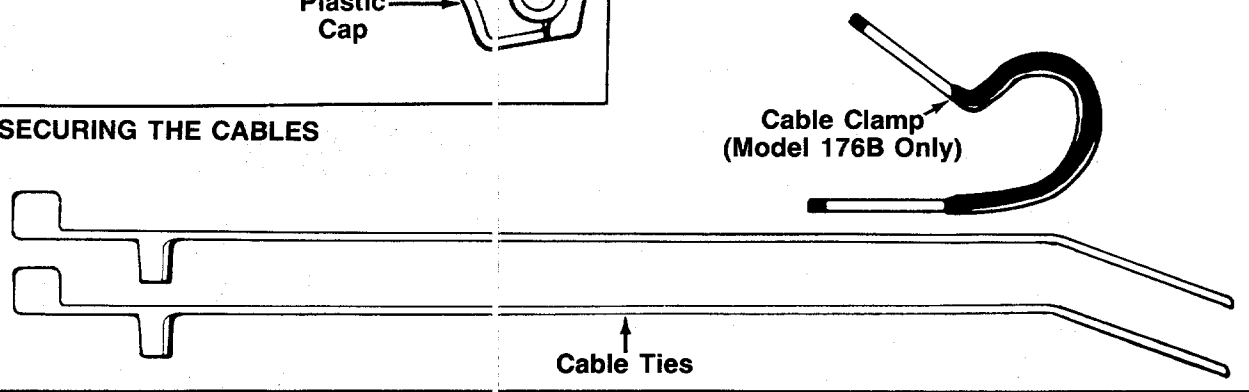
E ATTACHING THE BLADE BRAKE/CLUTCH CABLE



F ATTACHING THE CHUTE DEFLECTOR (Model 166B Only)



D SECURING THE CABLES





Cut Along This Line

IMPORTANT

RULES FOR SAFE OPERATION

THIS SYMBOL POINTS OUT IMPORTANT SAFETY INSTRUCTIONS WHICH, IF NOT FOLLOWED, COULD ENDANGER THE PERSONAL SAFETY AND/OR PROPERTY OF YOURSELF AND OTHERS. READ AND FOLLOW ALL INSTRUCTIONS IN THIS MANUAL BEFORE ATTEMPTING TO OPERATE YOUR LAWN MOWER. FAILURE TO COMPLY WITH THESE INSTRUCTIONS MAY RESULT IN PERSONAL INJURY. WHEN YOU SEE THIS SYMBOL— **HEED ITS WARNING.**

DANGER

Your lawn mower was built to be operated according to the rules for safe operation in this manual. As with any type of power equipment, carelessness or error on the part of the operator can result in serious injury. If you violate any of these rules, you may cause serious injury to yourself or others.

TRAINING

1. Read this owner's guide carefully in its entirety before attempting to assemble or operate this machine. Be completely familiar with the controls and the proper use of this machine before operating it. Keep this manual in a safe place for future and regular reference and for ordering replacment parts.
2. Your rotary mower is a precision piece of power equipment, not a plaything. Therefore, exercise extreme caution at all times.
3. Never allow children to operate a power mower. Only persons well acquainted with these rules of safe operation should be allowed to use your mower.
4. Keep the area of operation clear of all persons, particularly small children and pets. Stop engine when they are in the vicinity of your mower to help prevent blade contact or thrown object injury. Although the area of operation should be completely cleared of foreign objects, an object may have been overlooked and could be accidently thrown by the mower in any direction and cause serious personal injury to the operator or any others allowed in the area.

PREPARATION

1. Thoroughly inspect the area where the equipment is to be used. Remove all stones, sticks, wire, bones and other foreign objects which could be picked up and thrown by the mower in any direction and cause serious personal injury to the operator or any others allowed in the area.
2. Always wear safety glasses or eye shields during operation or while performing an adjustment or repair, to protect eyes from foreign objects that may be thrown from the machine in any direction.
3. Wear sturdy, rough-soled work shoes and close-fitting slacks and shirts to avoid entanglement in the moving parts. Never operate a unit in bare feet, sandals, or sneakers.
4. Check the fuel before starting the engine. Gasoline is an extremely flammable fuel. Do not fill the gasoline tank indoors, while the engine is running, or until engine has been allowed to cool for two minutes after running. Replace gasoline cap securely and wipe off any spilled gasoline before starting the engine as it may cause a fire or explosion.
5. Disengage the self-propelled mechanism or drive clutch on units so equipped before starting the engine.
6. The blade control handle is a safety device. Never attempt to bypass its operation. Doing so makes the safety device inoperative and may result in personal injury through contact with the rotating blade. The blade control handle must operate easily in both directions.
7. Never attempt to make a wheel or cutting height adjustment while the engine is running.
8. Never operate the equipment in wet grass. Always be sure of your footing. A slip and fall can cause serious personal injury. Keep a firm hold on the handle and walk, never run. Mow only in daylight or in good artificial light.
9. For your safety, use the slope gauge included as part of this manual to measure slopes before operating this unit on a sloped or hilly area. If the slope is greater than 15^0 as shown on the slope gauge, do not operate this unit on that area or serious injury could result.

OPERATION

1. Do not change the engine governor settings or overspeed the engine. Excessive engine speeds are dangerous.
2. Do not put hands or feet near or under rotating parts. Keep clear of the discharge opening at all times as the rotating blade can cause injury.
3. Stop the blade when crossing gravel drives, walks or roads.
4. After striking a foreign object, stop the engine, remove the wire from the spark plug, and thoroughly inspect the mower for any damage. Repair the damage before restarting and operating the mower.
5. If the equipment should start to vibrate abnormally, stop the engine and check immediately for the cause. Vibration is generally a warning of trouble.
6. Shut the engine off and wait until the blade comes to a complete stop before removing the grass catcher or unclogging the chute. The cutting blade continues to rotate for a few seconds after the engine is shut off. Never place any part of the body in the blade area until you are sure the blade has stopped rotating.
7. Before cleaning, repairing or inspecting, make certain the blade and all moving parts have stopped. Disconnect the spark plug wire, and keep the wire away from the spark plug to prevent accidental starting.
8. Do not run the engine indoors.
9. Mow across the face of slopes, never up-and-down. Exercise extreme caution when changing direction on slopes. Do not mow excessively steep slopes. Always be sure of your footing. A slip and fall can cause serious personal injury.
10. Never operate mower without proper guards, plates or other safety protective devices in place.
11. Do not operate this mower unless the complete grass catcher or side chute deflector is properly mounted on the mower.

MAINTENANCE AND STORAGE

1. Check the blade and engine mounting bolts at frequent intervals for proper tightness.
2. Keep all nuts, bolts, and screws tight to be sure the equipment is in safe working condition.
3. Never store the equipment with gasoline in the tank inside of a building where fumes may reach an open flame or spark. Allow the engine to cool before storing in any enclosure.
4. To reduce fire hazard, keep the engine free of grass, leaves, or excessive grease.
5. Check the grass catcher bag frequently for wear or deterioration. For safety protection, replace only with new bag meeting original equipment specifications.

Rules for Safe Operation (Continued)

BLADE BRAKE/CLUTCH MAINTENANCE

NOTE: Any required repair work on the blade brake/clutch should be performed by an authorized service dealer. If you cannot locate an authorized service dealer, contact the manufacturer.

1. **The blade brake/clutch hand control is a safety device. Never attempt to bypass its operation.** Doing so makes the safety device inoperative and may result in personal injury through contact with the rotating blade. This hand control must operate freely in both directions.
2. Striking a solid object can cause damage to the blade brake/clutch or to the engine crankshaft. Extensive vibration of the mower during operation is an indication of damage and the unit should be promptly inspected and repaired.
3. A leak in the lower engine crankshaft oil seal could expose the blade brake/clutch friction pads to excess oil resulting in blade or brake slippage, which could increase the stopping time of the blade. Oil collection on the floor beneath the mower during storage may be an indication of an oil seal leak. The unit should be checked by an authorized service dealer.
4. Periodically inspect the inner control cable in the area where it attaches to the hand control. If the cable becomes frayed, it could cause the blade brake/clutch to operate improperly. Also, be careful to avoid pinching the blade brake/clutch control cable when storing the handle.

IMPORTANT: This unit is shipped WITHOUT GASOLINE or OIL. After assembly, service engine with gasoline and oil as instructed in the separate engine manual packed with your unit.

NOTE: Reference to right or left hand side of the mower is observed from the operating position. Refer to parts identification illustration on page 4 for location of parts when assembling the mower.

ASSEMBLY INSTRUCTIONS

This owner's manual covers both side discharge (Model 166B) and top discharge (Model 176B) rotary mowers. Follow only the instructions which pertain to your style mower.

Tools Required for Assembly

(1) Pair of Pliers
(1) Phillips Head Screwdriver
(1) 1/2" Wrench*
(1) 5/16" Wrench or Nutdriver*
(1) 7/16" Wrench*
*Or one 6" Adjustable Wrench.

UNPACKING

1. Remove the lawn mower from the carton by opening the top flaps and lifting the unit out. Be careful of the staples. Make certain all parts and literature have been removed from the carton before the carton is discarded.
2. Disconnect and ground the spark plug wire against the engine. Check beneath the deck for any cardboard packaging. Remove if present.
3. Stretch out all control cables and place on the floor. Be careful not to bend or kink the cables at any time during assembly.
4. Remove page four from this manual and lay the contents of the hardware pack on the illustration for identification.

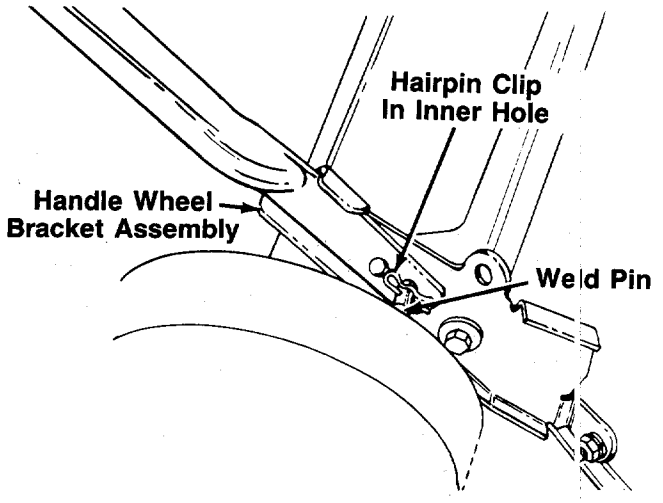


FIGURE 1.

ATTACHING THE LOWER HANDLE (Hardware A)

1. For shipping purposes your mower is set with the wheels in the lowest cutting height position. Raise the mower to the highest setting for assembly of lower handle.
2. Attach the lower handle by placing the bottom holes in the lower handle over the weld pins on the handle wheel bracket assemblies on the rear of the deck. Make certain the instruction label on the lower handle can be read from the operating position.
3. Using a pair of pliers, squeeze one leg of the lower handle against the handle wheel bracket assembly. Insert the hairpin clip into the **inner** hole on the weld pin. See figure 1. Repeat on other side.

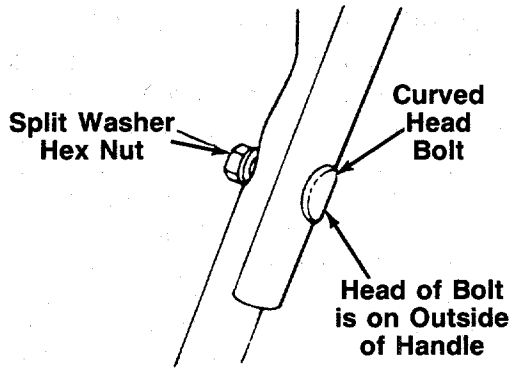


FIGURE 2.

ATTACHING THE UPPER HANDLE (Hardware B)

Place upper handle in position over lower handle. The label on the throttle control housing and the control lever must be facing up. Secure upper handle with two curved head bolts, split washers and hex nuts. See figure 2.

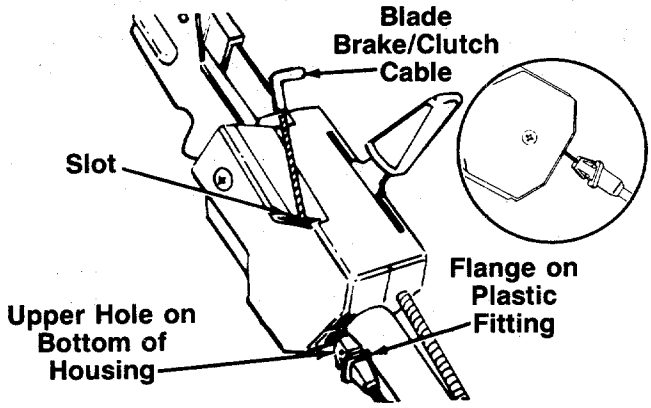


FIGURE 3.

ATTACHING THE BLADE BRAKE/CLUTCH CABLE (Hardware E)

The blade brake/clutch cable is the cable which has an "L" fitting on the loose end, and is attached to the blade brake/clutch underneath the deck.

1. **Model 166B:** Route the blade brake/clutch cable inside the handle mounting bracket and under the lower handle.

 Model 176B: Route the blade brake/clutch cable outside of the height adjustment handle and handle mounting bracket, and under the lower handle.

2. Place end of cable into the upper hole on the bottom of the control housing, and through the slot on the side of the housing as shown. The angle of the plastic flange must be positioned downward as shown in figure 3. Be careful not to bend or kink the cable at any time.

3. Push the plastic flange until it locks into the control housing.

WARNING

The cable must be assembled as shown for proper blade brake/clutch operation.

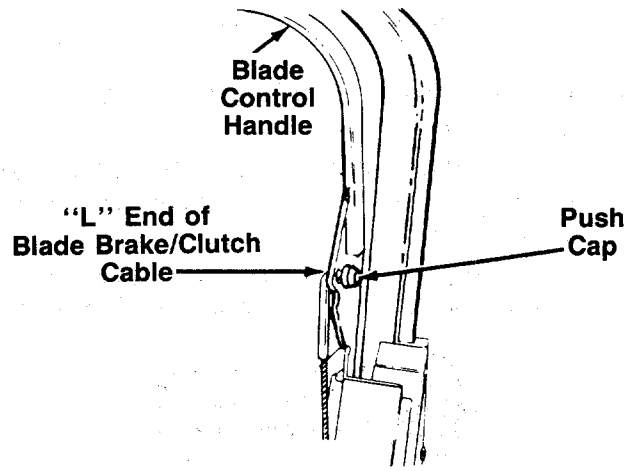


FIGURE 4.

4. Insert the "L" end of the blade brake/clutch cable into the hole in the blade brake/clutch control handle, from the inside to the outside as shown in figure 4. Hold the end of the cable, and press push cap on by hand.

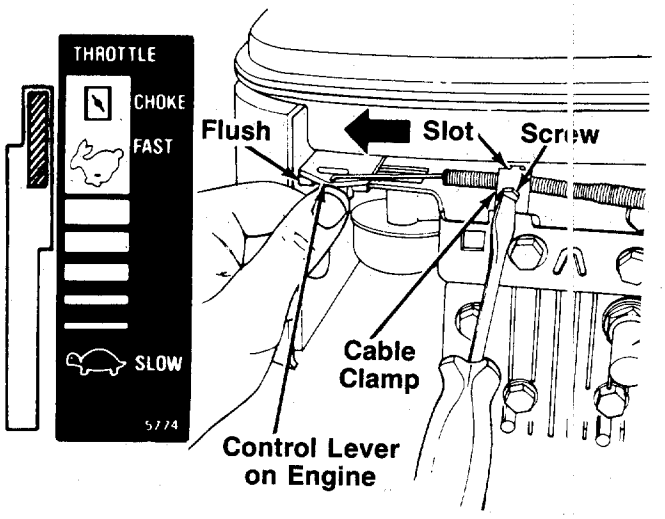


FIGURE 5.

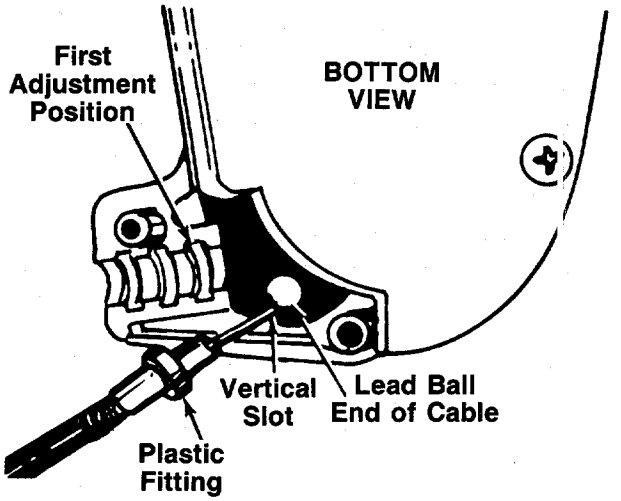


FIGURE 6.

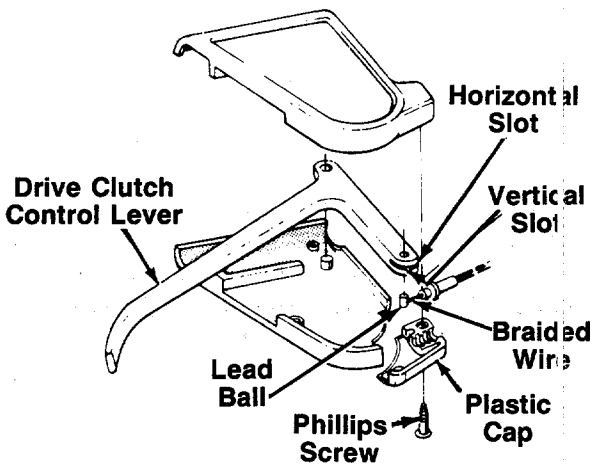


FIGURE 7.

ATTACHING THE THROTTLE CABLE

1. Push the throttle control lever on the handle all the way forward to CHOKE position. See figure 5.
2. The throttle control cable is attached to the upper handle. Route the throttle control cable under the lower handle and inside the handle mounting bracket on model 166B. On model 176B, route the throttle control cable under the lower handle and to the outside of the handle mounting bracket and height adjustment handle. Hook the "Z" end of the throttle control cable into the hole in the control lever on the engine. See figure 5.
3. Using a 5/16" wrench or nutdriver, remove the screw on the cable clamp shown in figure 5. Slip the control cable under the clamp. Replace the screw (cable should be above the screw), but do not tighten screw (cable must still move freely beneath the clamp). Make certain the tab on the cable clamp is seated into the slot on the engine.
4. Push the control lever on the engine as far toward the **outside** of the engine as it will go. The edge of the control lever should be flush with the bracket on the engine. See figure 5. Hold the control lever in this position as you tighten the screw on the cable clamp to secure the throttle cable.
5. Loosen the screw on the clamp on the side of the engine. Slip the cable casing under the clamp to secure the cable **away from the muffler.** Be careful not to bend or kink the cable. Tighten the screw.

ATTACHING THE DRIVE CLUTCH CONTROL CABLE (Hardware C)

The drive clutch control cable is attached to the deck. Attach the cable to the lever in the clutch control housing, located in the middle of the upper handle, as follows.

1. Place the lead ball end of the cable into the fitting provided in the end of the clutch control lever. Slip the braided wire into the vertical slot as shown in figure 6.
2. Slide the braided wire around in the horizontal slot. See figure 7.
3. Place the plastic fitting on the control cable into the first adjustment position in the clutch control housing. See figure 6.
4. Secure the plastic cap to the clutch control housing using the two Phillips head screws. See figure 7.

WARNING

Drive clutch adjustment must be checked before the unit is operated, as described in the operation section.

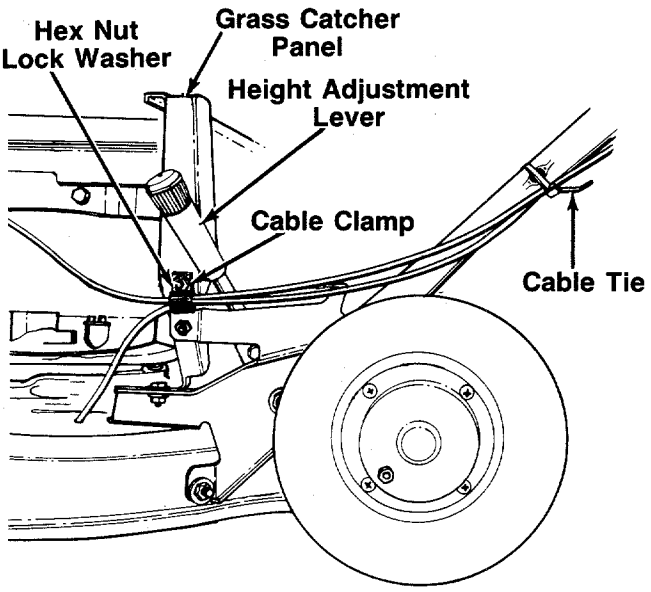


FIGURE 8.

SECURING THE CABLES (Hardware D)

Attach the brake and throttle control cables to the grass catcher panel as follows, using the cable clamp provided.

1. **Model 176B only:** Open the clamp and slip the cables inside.
2. **Model 176B only:** Remove the hex lock nut and flat washer on the side of the grass catcher panel. Attach the cable clamp as shown in figure 8. Secure with flat washer and hex lock nut.
3. Place the height adjustment lever in the lowest position.

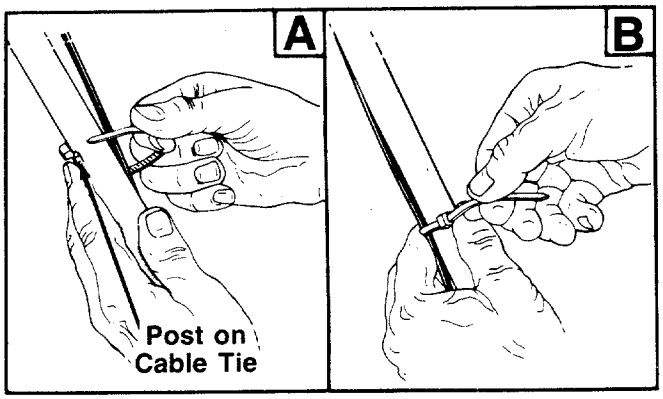


FIGURE 9.

4. Secure **all** the control cables to the left side of the handle with the cable ties as follows, taking the slack out of the cables so they do not contact the wheel.
 A. Insert posts on cable ties into holes provided on the lower handle, one near the top and one near the bottom of lower handle. The holes may be on either the inside or outside of the handle. See figure 9A.
 B. Secure the cables with the cable ties. See figure 9B.
 C. Trim excess ends of cable ties.

IMPORTANT

If your unit is equipped with both a side chute deflector and top discharge chute and grass bag, follow the instructions for top discharge mowers. After assembly is completed, it can then easily be converted to a side discharge mower.

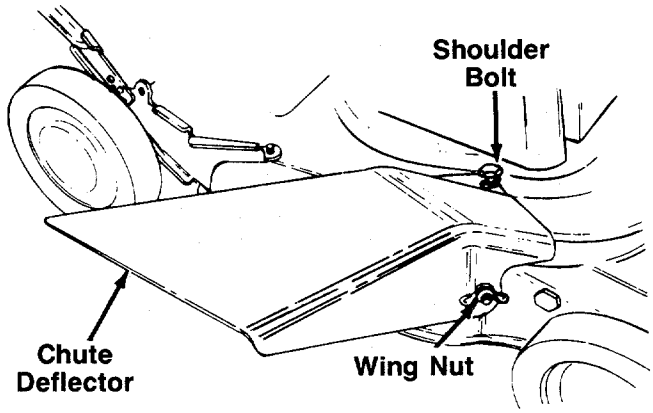


FIGURE 10.

SIDE DISCHARGE MOWERS ONLY (Model 166B) (Hardware F)

This section is for side discharge models only. If your mower is a top discharge model (with grass bag), proceed to the next section.

1. Attach the chute deflector by first placing it over the rear bolt in the side of the deck, then over the front bolt and sliding it into position, with shoulder bolt on deck in notch on deflector.
2. Secure the front of the deflector to the bolt protruding from the deck with one wing nut. See figure 10.

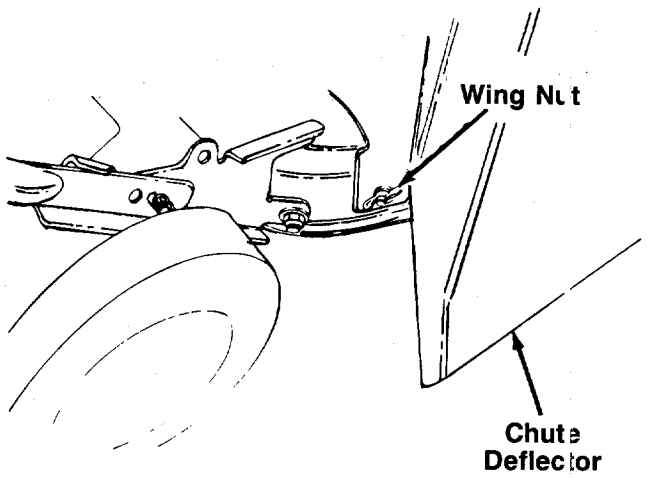


FIGURE 11.

3. Secure the back of the deflector in the same manner. See figure 11.

WARNING

Never operate your unit without either the side chute deflector or entire top discharge chute and catcher panel assembly (optional equipment) in place.

NOTE

A grass catcher kit is available which will convert your mower from side to top discharge. Order model number 190-077-000.

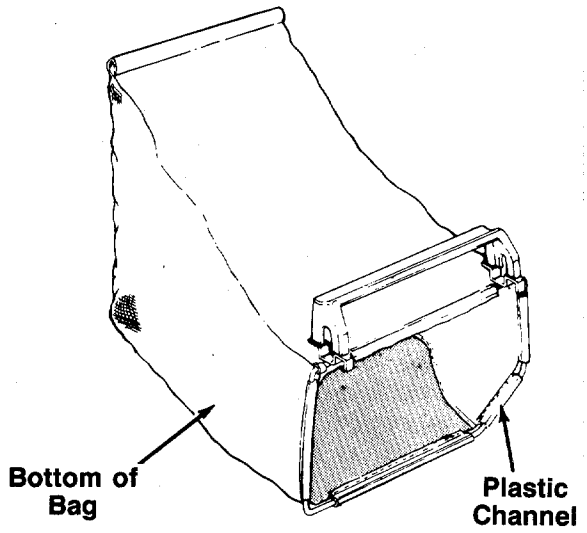


FIGURE 12.

TOP DISCHARGE MOWERS ONLY (Model 176B)
Grass Catcher Assembly

1. Place bag over frame (black plastic side is the bottom of bag). Handle on frame goes to the top of bag. Brackets hook toward the front. See figure 12.
2. Secure bag to frame by slipping plastic channels on bag over frame. See figure 12.

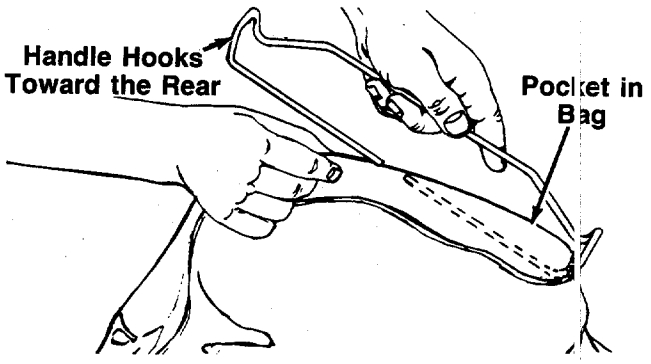


FIGURE 13.

3. Attach the rear handle to bag by inserting one side of handle into pocket on the rear of the bag. The handle should hook toward the rear of the bag as shown in figure 13. Thread all the material onto one side, then slide it over onto the other side. See figure 13.

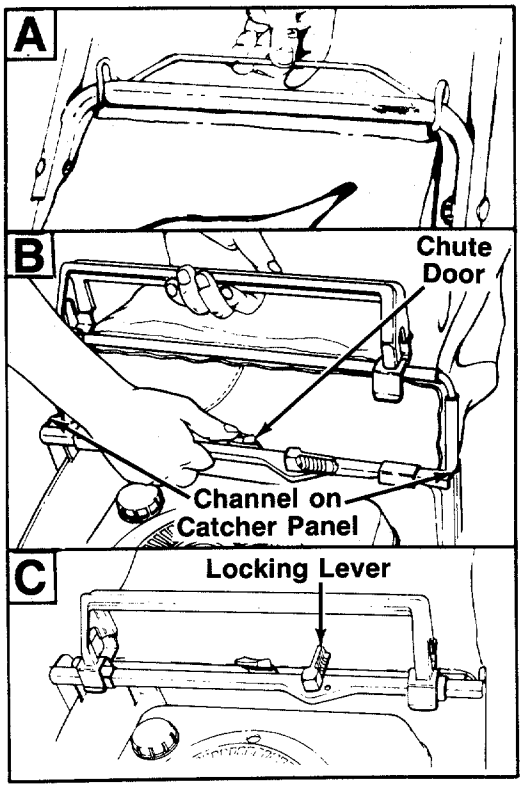


FIGURE 14.

To Attach Bag To Mower

WARNING

DO NOT operate the mower unless the complete grass catcher or side chute deflector is properly mounted on the mower.

1. Hook the handle on the rear of the grass catcher over the lower handle of the mower. See figure 14A.
2. Hold the chute door on the catcher panel open as shown in figure 14B.
3. Slide the frame of the grass catcher down into the channels on the catcher panel. The top portion of the frame goes over the catcher panel.
4. Secure the grass catcher by turning the locking lever to the locked position as shown in figure 14C.

To remove the grass catcher, turn the locking lever to the unlocked position, unhook the rear handle and lift the grass catcher straight up.

To convert your mower to a side discharge unit, remove only the grass bag and top discharge chute, and assemble the side chute deflector. It is not necessary to remove the catcher panel and brackets.

FINAL ASSEMBLY OF MOWER

1. Attach hub caps (optional) to the wheels by lining up the hub caps with the wheels. Push to lock in position.
2. Make certain **all** nuts and bolts are tightened securely.

CONTROLS

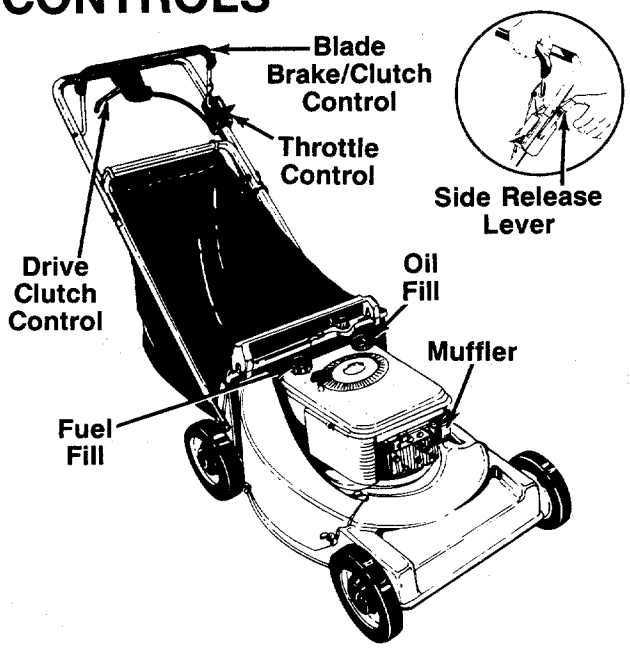


FIGURE 15.

THROTTLE CONTROL

The throttle is located on the left side of handle. It controls engine speed. See figure 15.

DRIVE CLUTCH CONTROL

Squeezing the drive clutch control engages the drive mechanism to the rear wheels. Releasing the clutch control stops the rear wheels from driving. Release the drive clutch control to slow down when negotiating an obstacle, making a turn or stopping. See figure 15.

BLADE BRAKE/CLUTCH CONTROL

WARNING
THIS CONTROL MECHANISM IS A SAFETY DEVICE. NEVER ATTEMPT TO BYPASS ITS OPERATIONS

The blade brake/clutch control is located on the upper handle of the mower. The blade brake/clutch handle engages and disengages the blade.

To engage the blade, pull the side release lever away from the unit. See figure 15. Pull the blade brake/clutch control handle against the upper handle. Release side lever.

Release the blade brake/clutch control handle to stop the blade from turning.

OPERATION



FIGURE 16.

Keep hands and feet away from the chute area on cutting deck. See figure 16.

NOTE

For shipping purposes your mower is set with the wheels in a low cutting height position. For best results raise the cutting position until it is determined which height is best for your lawn. See cutting height adjustment section.

GAS AND OIL FILL-UP

Service the engine with gasoline and oil as instructed in the separate engine manual packed with your mower. Read instructions carefully.

NOTE

Your unit has been shipped without oil; however, a small amount of oil may be present from the factory. Do not overfill.

WARNING

Never fill fuel tank indoors, with engine running or until the engine has been allowed to cool for at least two minutes after running.

BEFORE STARTING

Before each use, check for proper drive clutch operation by performing the following before starting the engine:

With the drive clutch control released, push mower forward. It should move freely. **Pull mower backward. It should move freely.**

If it does not and the rear wheels tend to lock up, the clutch may not be releasing completely. Do not start the engine until corrections have been made. Check the control cable for severe bend, kinks and binding, or grass build-up in the pulley grove. Correct and adjust as required.

TO START ENGINE

WARNING

When starting the unit for the first time, face the mower against a solid object such as a wall, fence, etc. Start the unit, and if it shows any signs of motion with the drive clutch control disengaged, shut the engine off immediately. Check the position of the drive clutch control cable. The plastic fitting must be assembled in the first adjustment position inside the housing, all the way to the right, as shown in figure 6.

1. Attach spark plug wire to spark plug. Make certain the metal loop on the end of the spark plug wire (inside the rubber boot) is fastened securely over the metal tip on the spark plug. See figure 17.

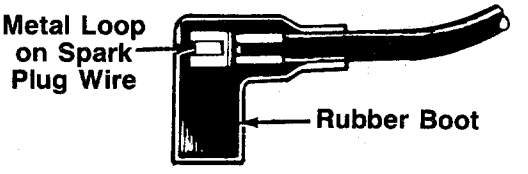


FIGURE 17.

2. The fuel shut-off valve is located beneath the fuel tank. The fuel shut-off valve should be in the open position. See figure 18. Open fuel shut-off valve if it is closed.

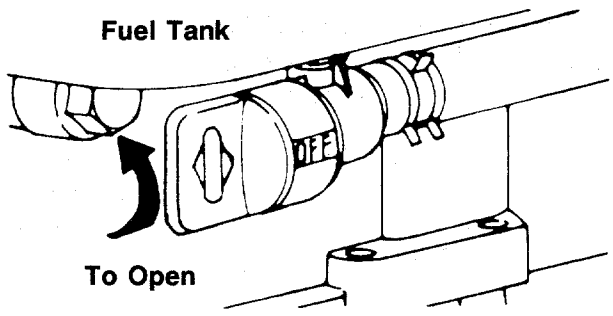


FIGURE 18.

3. Move throttle control lever to CHOKE position.

NOTE

A warm engine may not require choking.

4. With the blade brake/clutch handle **released,** crank engine by pulling recoil starter with a quick firm pull. Do not pull out so far that rope stops with a jerk as this will cause rope failure. Do not allow rope and handle to snap back into place.
5. After engine starts, move throttle control to desired engine speed. Move the throttle control at least halfway back, then forward to obtain FAST position.

TO STOP ENGINE

1. Move throttle control lever to STOP position.
2. Disconnect spark plug wire from spark plug and ground against the engine to prevent accidental starting while equipment is unattended.

NOTE

If any problems are encountered, refer to the Trouble Shooting Guide on page 19.

WARNING

Never operate your unit without either the side chute deflector or entire top discharge chute and catcher panel assembly in place.

TO ENGAGE THE BLADE

1. Start engine as instructed previously. Allow the engine to warm up for **one minute** before attempting to engage the blade.
2. To engage the blade, pull the side release lever away from the unit. Pull the blade brake/clutch control handle down against the upper handle. Release the side lever. See figure 15.

NOTE

If a warm engine falters or stalls when attempting to engage the blade, refer to Carburetor Adjustment Section of this owner's manual.

3. Release the blade brake/clutch control handle to stop the blade from turning.

NOTE

Always release the blade brake/clutch control handle before stopping the engine. If the engine begins to stall, release the blade brake/clutch control handle immediately.

Should the engine stall with the blade brake/clutch control in the operating position (control handle **not** released), difficulty may be encountered in pulling the starter rope to restart the engine. Proceed as follows.

1. Disconnect the spark plug wire from the spark plug.
2. Move the throttle lever to STOP position.
3. Hold the blade brake/clutch control in the engaged position.
4. While holding the blade brake/clutch control handle in this position, pull the starter rope.
5. As the starter rope is being pulled, release the blade brake/clutch control handle.

The starter rope should now operate correctly. Reconnect the spark plug wire for normal operation.

USING YOUR ROTARY MOWER

WARNING

DO NOT operate the mower with the chute door open unless the complete grass catcher is properly mounted on the mower.

Be sure that lawn is clear of stones, sticks, wire, or other objects which could damage lawn mower or engine. Such objects could be accidently thrown by the mower in any direction and cause serious personal injury to the operator and others.

For the best results, do not cut wet grass because it tends to stick to the underside of the mower, preventing proper discharge of grass clippings, and could cause you to slip and fall. New grass, thick grass or wet grass may require a narrower cut. Blade speed should be adjusted to the condition of the lawn.

When using the side discharge mower, the best mowing pattern is one that allows the clippings to discharge

towards the uncut part of the lawn. This permits recutting of the clippings to further pulverize them. When cutting high weeds, discharge towards cut portion, then recut at right angles to first direction.

For best results, cut off one-third or less of the total length of the grass. Lawn should be cut in the fall as long as there is growth.

This mower is designed to be operated at full throttle to give you the best cut and do the most effective job of bagging the cut grass.

IMPORTANT

If you strike a foreign object, stop the engine. Remove wire from spark plug, thoroughly inspect the mower for any damage, and repair the damage before restarting and operating the mower.

Striking a solid object can cause damage to the blade brake/clutch or to the engine crankshaft. Extensive vibration of the mower during operation is an indication of damage. The unit should be promptly inspected and repaired.

ADJUSTMENTS

WARNING

Do not at any time make any adjustment to lawn mower without first stopping engine and disconnecting spark plug wire.

DRIVE CLUTCH CONTROL ADJUSTMENT

If the unit does not self-propel with the drive clutch control engaged, remove the plastic cap from beneath the drive clutch control housing. Move the plastic fitting on the control cable to the next adjustment position on the left. Reassemble the plastic cap and retest. See figure 19.

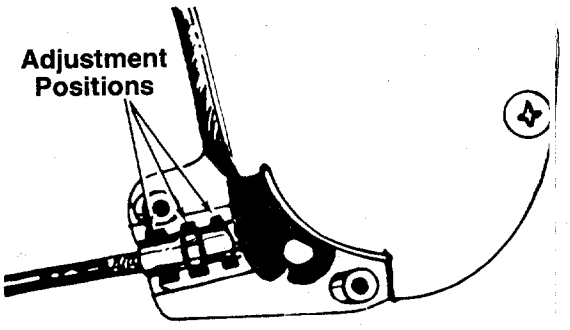


FIGURE 19.

CUTTING HEIGHT ADJUSTMENT

The height adjustment handle is located on the left side of the deck. The handle may be placed in one of nine cutting height positions. Push the handle to the left and then either forward to lower the cutting height or backward to raise the cutting height. See figure 20.

For rough or uneven lawns, move the height adjustment handle to a position which will give a higher cutting height.

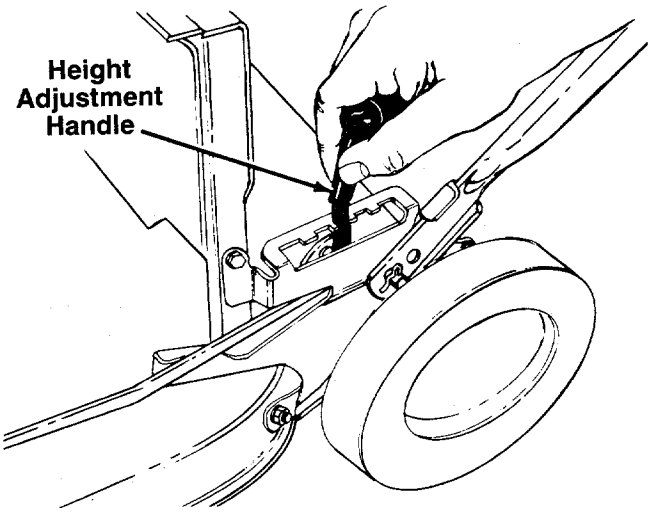


FIGURE 20.

THROTTLE

The throttle control wire assembly can be adjusted if necessary. Loosen the screw on the cable clamp shown in figure 5. Adjust as instructed in steps 1 and 4 of "Attaching the Throttle Control Cable" in Assembly Instructions.

CARBURETOR ADJUSTMENTS

WARNING

If any adjustments are made to the engine while the engine is running (e.g. carburetor), disengage all clutches and blades. Keep clear of all moving parts. Be careful of heated surfaces and muffler.

Minor carburetor adjustments may be required to compensate for differences in fuel, temperature, altitude and load. Refer to the separate engine manual packed with your mower.

NOTE

If a warm engine falters or stalls when attempting to engage the blade, the carburetor mixture should be adjusted 1/8 turn richer (counterclockwise). See figure 21.

The carburetor should be adjusted with the air cleaner in place and the blade control handle in the blade disengaged position.

NOTE

A dirty air cleaner will cause an engine to run rough. Be certain air cleaner is clean before adjusting carburetor. Refer to the separate engine manual.

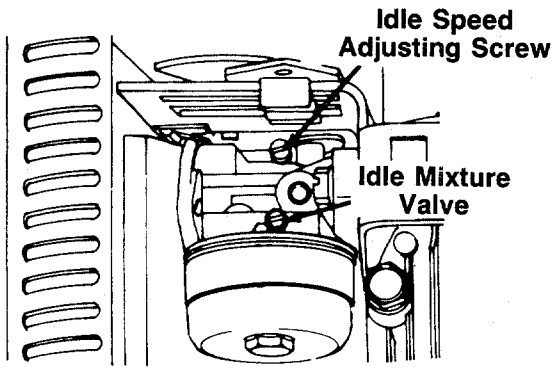


FIGURE 21.

LUBRICATION

WARNING

Always stop engine and disconnect spark plug wire before cleaning, lubricating or doing any kind of work on lawn mower.

Blade Brake/Clutch—Lubricate the pivot points on the blade brake/clutch handle and the cable at least once a season with light oil. The control must operate freely in both directions.

Discharge Chute Door Mechanism (Model 176B)—The torsion spring and pivot point should be lubricated periodically with light oil to prevent any rust or binding. Door must work freely.

Wheels—Mower may be provided with ball bearing wheels. Lubricate at least once a season with light oil. Also, if the wheels are removed for any reason, lubricate the surface of the axle bolt and the inner surface of the wheel with light oil. A 4 oz. plastic bottle of light oil lubricant is available. Order part number 737-0170. Engine oil may also be used.

Engine—Follow engine manual for lubrication instructions.

Throttle—Periodically lubricate throttle control lever and throttle wire assembly with a few drops of light oil for ease of operation.

MAINTENANCE

WARNING

Be sure to disconnect and ground the spark plug wire before performing any repairs or maintenance.

NOTE

When tipping the unit, empty the fuel tank and keep engine spark plug side up.

TROUBLE SHOOTING

Refer to page 19 of this manual for trouble shooting information.

CUTTING BLADE

To remove the cutting blade for sharpening or replacement, remove the two hex nuts and lock washers which hold the blade to the blade brake/clutch. Protect hands by using heavy gloves or a rag to grasp the cutting blade. See figure 22.

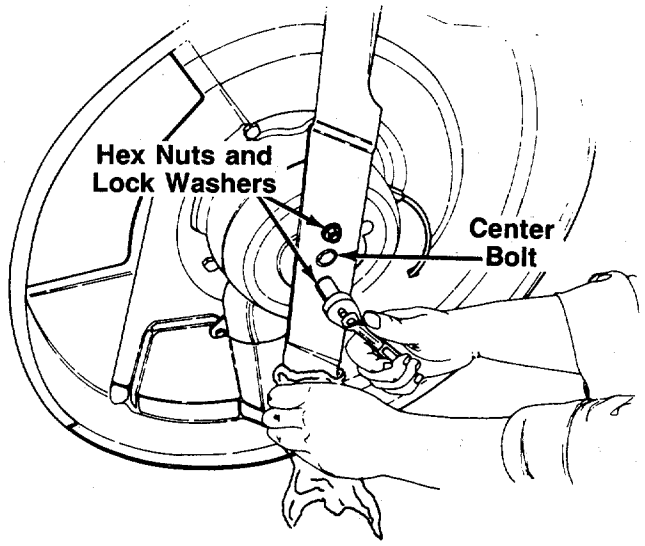


FIGURE 22.

When sharpening the blade, follow the original angle of grind as a guide. It is **extremely important** that each cutting edge receives an equal amount of grinding to prevent an unbalanced blade. An unbalanced blade will cause excessive vibration when rotating at high speeds, may cause damage to the mower and could break, causing personal injury.

The blade can be tested for balance by balancing it on a round shaft screwdriver. Remove metal from the heavy side until it balances evenly.

When replacing the blade, be sure to install the blade with the side of the blade marked "Bottom" (or with part number) facing the ground when the mower is in the operating position.

Blade Mounting Torque

Make certain that the center bolt which secures the blade brake/clutch and the two hex nuts which secure the blade are tightened to between 350 inch pounds (minimum) and 600 inch pounds (maximum).

To insure safe operation of your unit, **all** nuts and bolts must be checked periodically for correct tightness.

DECK

The underside of the mower deck should be cleaned after each use to prevent a buildup of grass clippings, leaves, dirt or other matter. If this debris is allowed to accumulate, it will invite rust and corrosion, and may cause an uneven discharge of grass clippings at the next cutting.

The deck may be cleaned by tilting the mower and scraping clean with a suitable tool (make certain the spark plug wire is disconnected).

ENGINE

Refer to the separate engine manual for all engine maintenance instructions.

Maintain **engine oil** as instructed in the separate engine manual packed with your unit. Read and follow instructions carefully.

Service **air cleaner** every 25 hours under normal conditions. Clean every few hours under extremely dusty conditions. Poor engine performance and flooding usually indicates that the air cleaner should be serviced. To service the air cleaner, refer to the separate engine manual packed with your unit.

The **spark plug** should be cleaned and the gap reset once a season. Spark plug replacement is recommended at the start of each mowing season; check engine manual for correct plug type and gap specifications.

Clean the engine regularly with a cloth or brush. Keep the cooling system (blower housing area) clean to permit proper air circulation which is essential to engine performance and life. Be certain to remove all grass, dirt and combustible debris from muffler area.

BLADE BRAKE/CLUTCH

This unit is equipped with a blade brake/clutch. If for some reason the blade brake/clutch becomes inoperative, it is suggested that all repair work on the blade brake/clutch should be performed by an authorized service dealer. The unit should be inspected by an authorized service dealer if any of the following conditions are noticed.

1. Frayed clutch control cable.
2. Leaking oil seal (oil collection on the floor during mower storage).
3. Extensive vibration of the unit.

BELT REMOVAL AND REPLACEMENT

1. Disconnect the spark plug wire and ground it against the engine.
2. Drain the fuel tank or place a piece of plastic beneath the cap to prevent gasoline leakage.
3. On Model 176B, first remove the grass bag, discharge chute and catcher panel.
4. Remove the transmission belt cover by removing three bolts. Loosen the transmission belt guard. See figure 23.

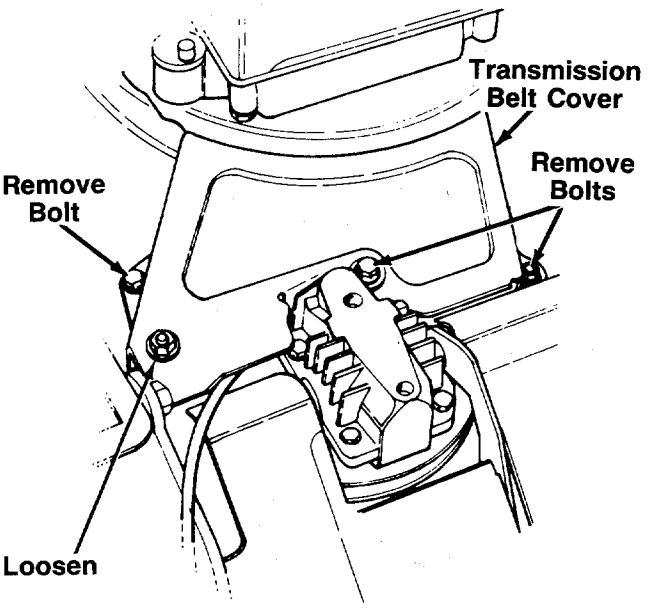


FIGURE 23.

5. Tip the mower on its side, and block securely.
6. Remove the blade by removing two hex nuts and lock washers. Refer to figure 22.

NOTE

When reassembling, tighten hex nuts to between 350 and 600 in. lbs.

7. Remove the inside belt guard by removing two self-tapping screws. A 3/8" wrench is required. See figure 24.
8. Remove the center bolt as follows.
 a. Insert a screwdriver into the slot provided in the blade brake/clutch housing where the control cable enters the housing. See figure 24.
 b. Place a 5/8" wrench on the center bolt. Turn the wrench slowly until the screwdriver catches in a groove provided inside the clutch. The screwdriver will now keep the clutch from turning, and the center bolt and cupped washer may be removed. Lift off lower housing.

IMPORTANT

Upon reassembly, be certain to tighten center bolt to between 350 and 600 in. lbs.

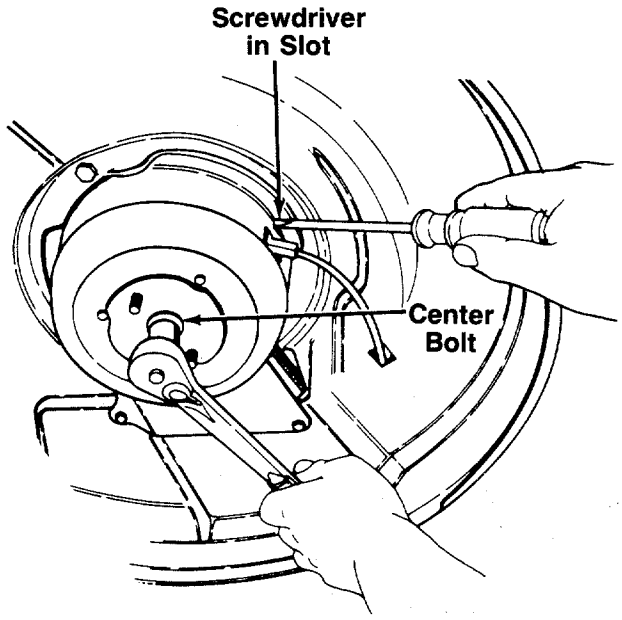


FIGURE 24.

9. Remove belt from the engine pulley half. Remove the belt from between the idler pulley and the belt guard on the idler pulley bracket. See figure 25.

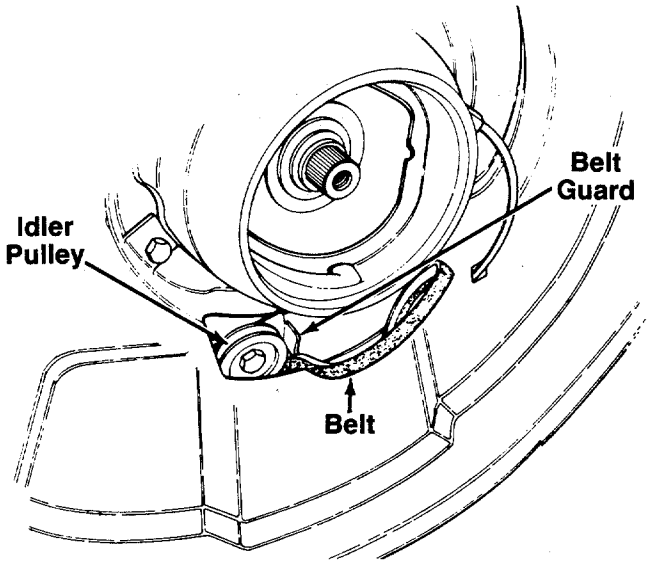


FIGURE 25.

10. Push the idler to the left and remove the belt from the transmission pulley. See figure 26.

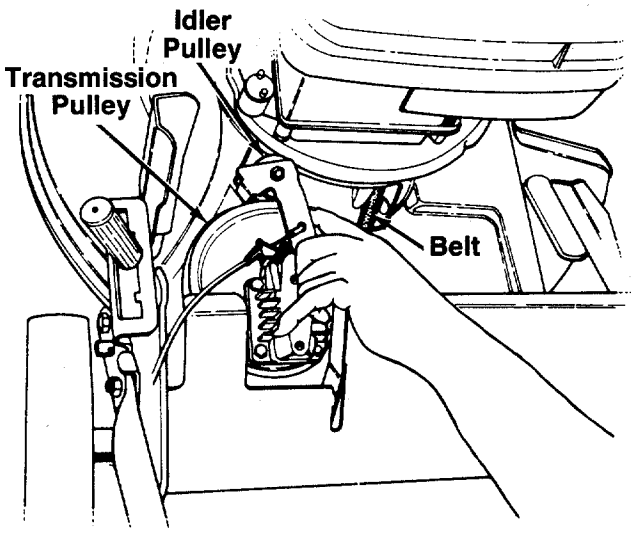


FIGURE 26.

11. Reassemble the new belt, following instructions in reverse order.

NOTE

When reassembling the transmission belt cover, be certain the transmission belt guard is approximately 1/8" away from the belt. Make certain to tighten all nuts and bolts securely. If plastic was placed under the gas cap, be certain to remove it.

OFF-SEASON STORAGE

The following steps should be taken to prepare lawn mower for storage.

1. Clean and lubricate mower thoroughly as described in the lubrication instructions.
2. Refer to engine manual for correct engine storage instructions.
3. Coat mower's cutting blade with chassis grease to prevent rusting.
4. Store mower in a dry, clean area.

NOTE

When storing any type of power equipment in an unventilated or metal storage shed, care should be taken to rustproof the equipment. Using a light oil or silicone, coat the equipment, especially cables and all moving parts.

NOTE

The use of any accessory on this Rotary Mower other than those manufactured by the mower manufacturer is **not** recommended.

GRASS CATCHER Model 077 is available as optional equipment for the mower Model 166B shown in this manual.



WARNING

To reduce the risk of injury, do not operate mower unless rear trailing shield and guard or entire grass catcher is in its proper place.

NOTE

Under normal usage bag material is subject to wear and should be checked periodically. Be sure any replacement bag complies with the mower manufacturer's recommendations.

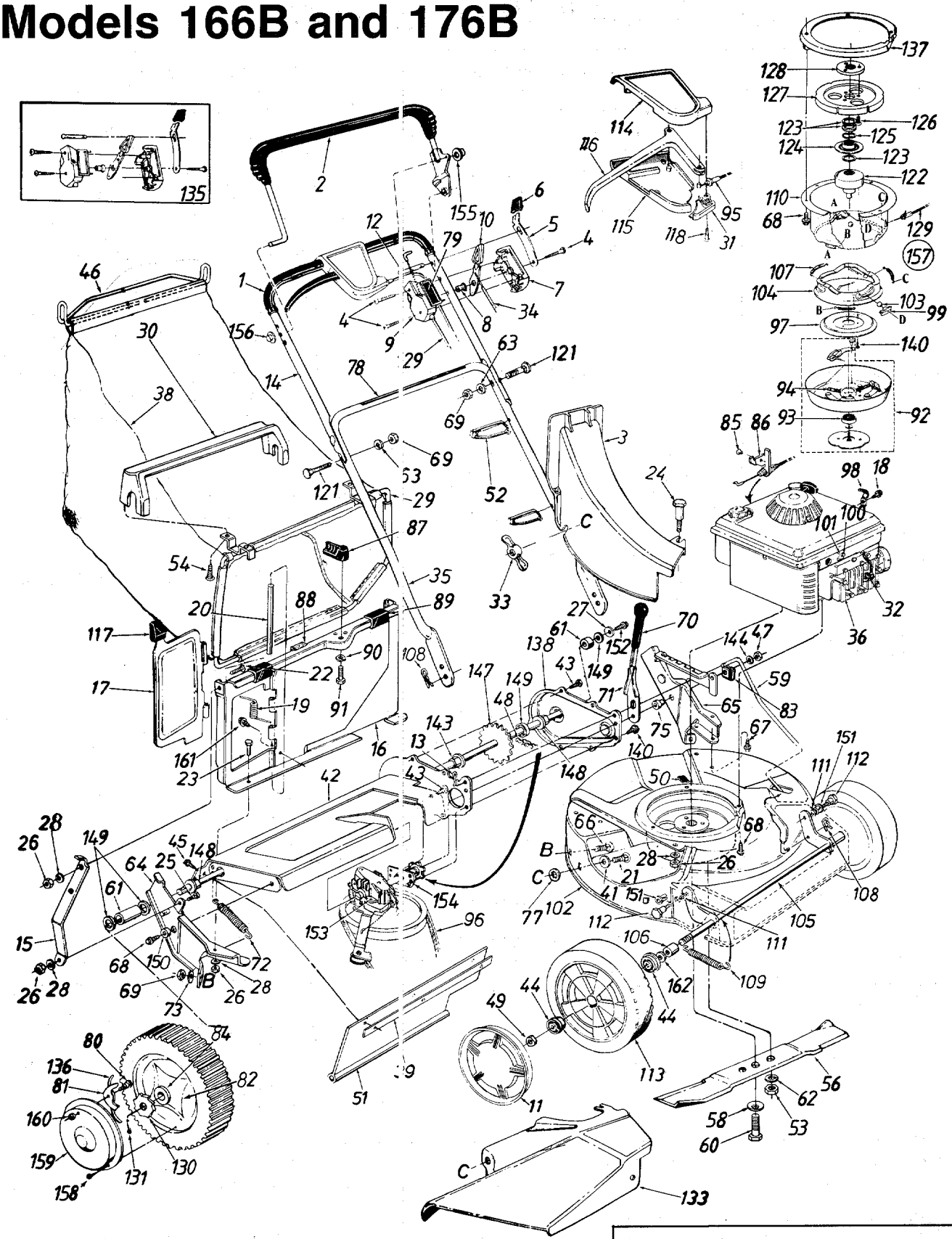
For replacement bags, use only factory authorized replacement bag No. 764-0212A (Black) or 764-0216A (Grey).

Trouble Shooting Guide

Trouble	Possible Cause(s)	Corrective Action
Engine fails to start	1. Spark plug wire disconnected. 2. Throttle control lever not in CHOKE position. 3. Fuel shut-off valve closed. 4. Fuel tank empty, or stale fuel. 5. Blocked fuel line. 6. Faulty spark plug. 7. Engine flooded.	1. Connect wire to spark plug. 2. Move throttle lever to CHOKE position. 3. Open fuel shut-off valve. 4. Fill tank with clean, fresh gasoline. 5. Clean fuel line. 6. Clean, adjust gap or replace. 7. Remove spark plug, dry the plug, and crank engine with plug removed and throttle in off position. Replace spark plug, connect wire and resume starting procedures.
Engine runs erratic	1. Unit running in CHOKE position. 2. Spark plug wire loose. 3. Blocked fuel line or stale fuel. 4. Vent in gas cap plugged. 5. Water or dirt in fuel system. 6. Dirty air cleaner. 7. Carburetor out of adjustment.	1. Move throttle lever to FAST position. 2. Connect and tighten spark plug wire. 3. Clean fuel line; fill tank with clean, fresh gasoline. 4. Clear vent. 5. Drain fuel tank. Refill with fresh fuel. 6. Clean air cleaner.† 7. Adjust carburetor.†
Engine overheats	1. Engine oil level low. 2. Air flow restricted. 3. Carburetor not adjusted properly.	1. Fill crankcase with proper oil. 2. Remove blower housing and clean.† 3. Adjust carburetor.†
Occasional skip (hesitates) at high speed	1. Carburetor idle speed too slow. 2. Spark plug gap too close. 3. Carburetor idle mixture adjustment improperly set.	1. Adjust carburetor.† 2. Adjust gap to .030". 3. Adjust carburetor.†
Idles poorly	1. Spark plug fouled, faulty or gap too wide. 2. Carburetor improperly adjusted. 3. Dirty air cleaner.	1. Reset gap to .030" or replace spark plug. 2. Adjust carburetor.† 3. Clean air cleaner.†
Excessive vibration	1. Cutting blade loose or unbalanced. 2. Bent cutting blade.	1. Tighten blade and balance blade. 2. Replace blade.
Mower will not drive	1. Drive clutch cable out of adjustment. 2. Belt worn and/or stretched.	1. Adjust drive clutch cable (see adjustment section). 2. Replace belt.
Mower will not discharge grass	1. Engine speed too low. 2. Wet grass. 3. Excessively high grass.	1. Set throttle between 3/4 and full throttle. 2. Do not mow when grass is wet; wait until later to cut. 3. Mow once at a high cutting height, then mow again at desired height or make a narrower cutting swath (1/2 width).
Uneven cut	Dull blade.	Sharpen or replace blade.

†Refer to separate engine manual packed with your unit.
Note: For repairs beyond the minor adjustments listed above, contact your local authorized service dealer.

Models 166B and 176B



NOTE

Specifications subject to change without notice or obligation.

Models 166B and 176B

PARTS LIST FOR MODELS 166B AND 176B ROTARY MOWERS

REF. NO.	PART NO.	CODE	DESCRIPTION	REF. NO.	PART NO.	CODE	DESCRIPTION
1	720-0225		Foam Grip (2 Req'd.)	49	712-0346		Hex L-Nut ¼-20 Thd.
	718-0145		Grip	50	731-0564		Plug
2	731-0609		Control Handle Ass'y.—L.H.	51	731-0672A	N	Rear Flap 3.75″ x 17.30″ Lg.
3	731-0733A	N	Top Discharge Chute Ass'y.†	52	726-0240		Cable Tie
4	710-0796		Truss Mach. Scr. #12 x 1.50″ Lg.	53	712-0328		Hex Nut 3/8-24 Thd. (Gr. 8)
				54	710-0969		Hex AB-Tap Scr. #12 x 1.0″ Lg.
5	732-0401		Lockout Spring	56	742-0306		21″ Blade
6	720-0190		Spring Lever Knob	58	736-0412		Bell-Wash. .46″ I.D. x .88″ O.D.
7	731-0817		Control Panel Half	59	747-0510		Height Adj. Rod 19.42″ Lg.
8	731-0524		Control Disc Pin	60	710-1002		Hex Bolt 7/16-20 x 2.0″ Lg. (Grade 5)
9	731-0816		Clutch Panel Half				
10	731-0528A	N	Throttle Control Lever	61	748-0190		Spacer .513″ I.D. x .703″ O.D. x .69″ Lg.
11	††		Hub Cap				
12	731-0607		Lock Pin .314″ Dia. x 1.75″	62	736-0169		L-Wash. 3/8″ I.D.*
13	714-0507		Cotter Pin 3/32″ Dia. x .75″*	63	736-0119		L-Wash. 5/16″ I.D.*
14	749-0439A	N	Upper Handle—Painted	64	16136		R.H. Handle Wheel Brkt. Ass'y.
	749-0437A	N	Upper Handle—Chrome	65	16137		L.H. Handle Wheel Brkt. Ass'y.
15	16129		Panel Support Brkt.†	66	710-0260		Carriage Bolt 5/16-18 x .62″*
16	~~17092A~~ 17176A	N	Top Catcher Panel Ass'y.†	67	710-0603		Hex Wash. Hd. B-Tap Scr. 5/16-18 x .5″ Lg.
17	17095		Top Discharge Door†				
18	710-0429		Hex B-Tap Scr. #10 x .38″	68	710-1007		Hex Wash. Hd. TT-Tap Scr. 3/8-16 x 1.5″ Lg.
19	732-0483A	N	Torsion Spring†				
20	747-0514		Pivot Pin†	69	712-0267		Hex Nut 5/16-18 Thd.*
21	710-0134		Carriage Bolt ¼-20 x .62″*	70	720-0223		Grip
22	710-0286		Truss Mach. Scr. ¼-20 x .5″ Lg.†	71	732-0473B	N	Height Adj. Lever
				72	732-0481		Extension Spring .50″ O.D. x 3.80″ Lg.
23	710-0289		Hex Bolt ¼-20 x .50″ Lg.*†				
24	738-0704		Shoulder Bolt .312 Dia. x .18 Lg. Special	73	736-0242		Bell-Wash. 5/16″ I.D.
				75	750-0624		Shld. Spacer .500″ Dia. x .100
25	710-0258		Hex Bolt ¼-20 x .62″ Lg.*†	77	726-0233		Bolt Retainer ¼ x .50″ O.D.
26	712-0287		Hex Nut ¼-20 Thd.*	78	777-5815		Instruction Label
27	736-0270		Bell-Wash. ¼″ I.D.	79	777-5811		Control Label
28	736-0329		L-Wash. ¼″ I.D.*	80	738-0137		Shld. Scr. .342″ Dia. x .268
29	16702B	N	Front Grass Catcher Frame†	81	748-0188B	N	Pawl
30	731-0801		Grass Catcher Handle (Black)†	82	**		Wheel Ass'y. Comp.
	731-0802		Grass Catcher Handle (Grey)†	83	726-0175		Clamp
31	731-0619A	N	S.P. Control Cover	84	741-0180		Flange Ball Bearing ½″ I.D.
32	735-0639		Spark Plug Insulator	85	728-0171		Pop Rivet .156″ Dia. x .379″
33	712-0388		Wing Nut	86	14924		Cable Bracket
34	746-0672		Throttle Control Wire 58″ Lg.	87	720-0224		Grass Catcher Locking Knob†
35	749-0504		Lower Handle—Painted	88	722-0139		Foam Strip 1″ Lg.†
	749-0505		Lower Handle—Chrome	89	731-0880		Panel Clip†
36	—		Engine	90	736-0271		Spring Wash. .32″ I.D.†
38	764-0212B	N	21″ Top Discharge Grass Bag—Black†	91	710-0875		Hex Wash. TT-Tap Scr. ¼-20 x .75″ Lg.†
	764-0216B	N	21″ Top Discharge Grass Bag—Grey†	92	14300		Clutch Blade Housing Ass'y.
				93	741-0124		Ball Brg. .669″ I.D. x 1.574″
39	14835		Retaining Strip	94	732-0396		Comp. Spring .35″ O.D. x 2.0″ Lg.
41	736-0204		Fl-Wash. .344″ I.D. x .62″				
42	17055B	638/N	Chain—Axle Ass'y.	95	746-0650		S.P. Cable x 50″ Lg.
43	710-0352		Hex B-Tap Scr. ¼″ x .38″ Lg.	96	754-0343		"V"-Belt
44	741-0180		Flange Ball Bearing ½″ I.D.	97	14304A	N	Clutch Cone
45	710-0776A	N	Hex AB-Tap Scr. ¼ x .62″	98	12894A	N	Casing Clamp
46	747-0495		Upper Bag Handle†	99	731-0520		Ball Block
47	712-0296		Hex Patch L-Nut 3/8-24 Thd.	100	710-0436		Hex B-Tap Scr. #10 x .62″
48	713-0353		#48 Chain .500″ Pitch x 30 Links	101	751-0463		Casing Clamp
				102	17075	629	21″ Deck Ass'y.

Models 166B and 176B

PARTS LIST FOR MODELS 166B AND 176B ROTARY MOWERS (CONTINUED)

REF. NO.	PART NO.	CODE	DESCRIPTION
103	741-0326		Steel Ball .50" Dia.
104	~~14305~~ 719-0283		Brake Cup Cone
105	10662B	N	Front Axle Ass'y.
106	711-0313		Sleeve .526" I.D. x .690" O.D. x .880" Lg.
107	732-0397		Ext. Spring 1.75" Lg.
108	714-0104		Intern. Cotter Pin 5/16" Dia.
109	732-0482		Extension Spring .50" O.D. x 3.20" Lg.
110	14309		Clutch Housing
111	736-0221		Intern. L-Wash. 3/8 I.D.*
112	738-0705		Shld. Bolt .623" Dia. x .425
113	**		Wheel Ass'y. Comp.
114	731-0617A	N	Self-Propelled Control Cover
115	731-0618A	N	Self-Propelled Control Cover
116	731-0620		Control Lever
117	720-0190		Door Grip
118	710-0841		Fl-"C"-Sunk Hd. Tap Scr. #10 x .75" Lg.
121	710-0671		Curved Carr. Bolt 5/16-18 x 1.38" Lg.
122	756-0504		Fixed Pulley Adapter
123	736-0409		Serrated Washer 1.0" I.D.
124	756-0503		Serrated Pulley Half
125	736-0408		Wave Washer 1.005" I.D.
126	710-0618		Flat HD Tap Scr. ¼-20 x .625" Lg.
127	748-0319		Flywheel
128	748-0320		Flywheel Adapter
129	746-0406		Control Cable—49" Lg.
130	748-0318	splined	Ratchet Wheel 1.62" O.D.
131	714-0115		Cotter Pin 1/8" Dia. x 1.00" Lg.*
133	731-0886		Side Chute Deflector Ass'y.
135	753-0431		Kit—Control Housing Comp.
136	10622B	N	Spring—Nylon
137	17176		Engine Mounting Plate Cover
138	17053A	N	Chain Cover
140	710-0599		Hex Wash. S-Tap Scr. ¼-20 x .50" Lg.
143	741-0522		Hex Flange Brg. .506" I.D.
144	736-0300		Fl-Wash. .385" I.D. x .87" O.D.
147	738-0719A	N	Rear Shaft Ass'y. 21.94" Lg.
148	741-0324		Hex Flange Bearing .506" I.D. Plastic
149	736-0160		Fl-Wash. .531" I.D. x .930" O.D.
150	750-0736		Spacer .383" I.D. x .503" O.D.
151	741-0491		Flanged Nyliner Brg.
152	710-0751		Hex Bolt ¼-20 x .62" Lg. (Grade 5)
153	717-0417		Transmission Comp. (See Breakdown)
154	16500		Hex Bearing Cup
155	726-0245		Push Cap
156	726-0135		Push Cap
157	717-0845B	N	Blade Brake Clutch Ass'y. Comp.
158	710-0748		Pan Hd. Tap Scr. #12 x .50" Lg.
159	10647		Hub Cap
160	712-0324		Hex Ins. L-Nut ¼-20 Thd.
161	710-0429		Hex B-Tap Scr. #10 x .38"†
162	736-0108		Fl-Wash. .51" I.D. x .75" O.D.

†Top Discharge Model 176B Only.

*For faster service obtain standard nuts, bolts and washers locally. If these items cannot be obtained locally, order by part number and size as shown on parts list.

††HUB CAP CHART

Color	Part No.
Red	731-0124A
Orange	731-0254A
Black	731-0354A
Grey	731-0355A

NOTE: The engine is not under warranty by the mower manufacturer...If repairs or service is needed on the engine, please contact your nearest authorized engine service outlet. Check the "Yellow Pages" of your telephone book under "Engines—Gasoline."



**WHEEL CHART

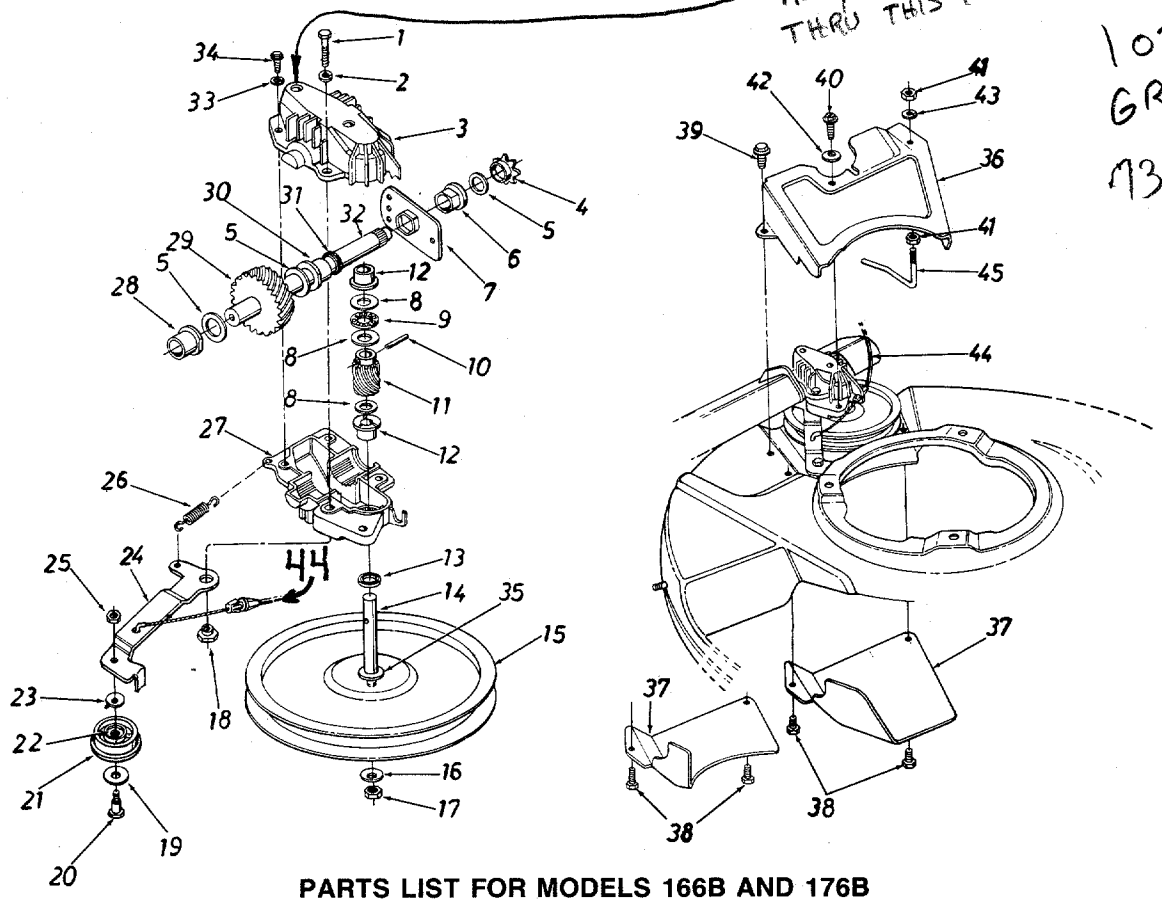
Size	Tread Type	Part No.
7 x 1.5"	Waffle	734-0922
7 x 1.75"	"T" Tread	734-1264
8 x 1.75"	Gear	734-1411
8 x 1.75"	"T" Tread	734-1412

CODE: N notates a **new part** (not previously existing). A three digit number is the **color code** (use if color or finish is important when ordering parts). See chart below. [i.e., (part no.)-629 for Silver Flake Finish].

Color Codes

460—Green Flake	630—Blue
483—Charcoal Grey	635—Grey
498—Yellow	636—White
499—Beige	637—Black
606—Orange	638—Red
629—Silver Flake	640—Green

Models 166B and 176B



PARTS LIST FOR MODELS 166B AND 176B
21″ ROTARY MOWERS

REF. NO.	PART NO.	CODE	DESCRIPTION	REF. NO.	PART NO.	CODE	DESCRIPTION
1	710-0106		Hex Bolt ¼-20 x 1.25″ Lg.*	22	741-0482		Needle Brg. .375″ x .31†
2	736-0329		L-Wash. ¼″ I.D.*	23	736-0270		Bell-Wash. .265″ I.D. x .75″†
3	717-0418A	N	Upper Hsg. Half	24	17052A	N	Idler Brk't. Ass'y.†
4	713-0400		#48 Sprocket 7 Tooth x ½ Pitch	25	712-0138		Hex Patch L-Nut ¼-28 Thd.†
				26	732-0357		Extension Spring 1.12″ Lg.†
5	736-0336		Fl-Wash. 5/8″ I.D. x .030	27	717-0419A	N	Lower Hsg. Half
6	741-0413		Hex Flange Brg. .631″ I.D.	28	741-0415		Flange Bearing .566 Dia.
7	16500		Hex Bearing Cup	29	717-0422		33 Tooth Helical Gear
8	736-0314		Thrust Wash. .382″ I.D. x .70″ O.D.	30	741-0414		Flange Bearing .629 Dia.
				31	721-0213		Oil Seal .625 Dia.
9	741-0479		Thrust Bearing .375″ I.D. x .812″ O.D.	32	738-0607		Gear Sprocket Shaft
				33	736-0722		L-Wash. #10 I.D.
10	715-0152		Spring Pin Spir. 1/8″ x .62″ Heavy	34	710-0436		Hex B-Tap Scr. #10 x .62″
				35	736-0410		Hex Washer .26″ x .88″†
11	717-0420		11 Tooth Helical Gear	36	17058		Transmission Belt Guard†
12	748-0208A	N	Flange Bearing	37	17065		Belt Cover†
13	721-0212		Oil Seal	38	710-0352		Hex B-Tap Scr. ¼ x .38″ Lg.†
14	738-0708A	N	Pulley-Transmission Shaft	39	710-0599		Hex AB-Tap Scr. ¼ x .50″ Lg.†
15	756-0330A	N	Fl-Pulley 5.06″ O.D.†	40	710-0896		Hex B-Tap Scr. ¼ x .62″ Lg.
16	736-0270		Bell-Wash. .265″ I.D. x .75″†	41	712-0287		Hex Nut ¼-20 Thd.*†
17	712-0351		Hex L-Nut ¼-28 Thd.†	42	736-0270		Bell-Wash. .265″ I.D. x .75″†
18	738-0440		Shld. Spacer .375″ Dia. x .170†	43	736-0329		L-Wash. ¼″ I.D.*†
19	736-0344		Fl-Wash. .390″ I.D. x 1.0″†	44	746-0650		S.P. Cable—50″ Lg.† BLACK
20	738-0691		Shld. Bolt .375″ Dia. x .40″†	45	747-0549		S.P. Belt Guard†
21	756-0447		Fl-Idler Plastic 1.50″ Dia.†	—	717-0417A	N	Transmission Comp.

†Not Part of Transmission Complete

PARTS INFORMATION

POWER EQUIPMENT PARTS AND SERVICE

Parts and service are available through the authorized service firms listed below. All orders should specify the model number of your unit, part numbers, description of parts and the quantity of each part required.

BRIGGS AND STRATTON, TECUMSEH AND PEERLESS PARTS AND SERVICE

Briggs & Stratton, Tecumseh and Peerless parts and service should be handled by your nearest authorized engine service firm. Check the yellow pages of your telephone directory under the listing **Engines—Gasoline,** Briggs & Stratton or Tecumseh Lauson.

NOTE: If any parts are found to be missing or defective upon assembly of this unit, write to advise the factory so that immediate replacement can be made.

ALABAMA	**BIRMINGHAM**	
Auto Electric & Carburetor Co. . .	2625 4th Ave. S. Box 2466	35233
ARKANSAS	**NORTH LITTLE ROCK**	
Sutton's Lawn Mower Shop	5301 Roundtop Drive Box 368, Rt. 4	72117
CALIFORNIA	**PORTERVILLE**	
Billious	75 North D Street	93257
COLORADO	**DENVER**	
Spitzer Industrial Products Co. . .	6601 N. Washington St.	80229
FLORIDA	**JACKSONVILLE**	
Radco Distributors	4909 Victor St. Box 5459	32207
	HIALEAH	
Small Eng. Dist.	7995 W. 26th Court	33016
GEORGIA	**EAST POINT**	
East Point Cycle & Key Inc.	2834 Church St.	30344
ILLINOIS	**LYONS**	
Keen Edge Co.	8615 Ogden Ave.	60534
INDIANA	**ELKHART**	
Parts & Sales Inc.	2101 Industrial Pkwy. Box 277	46516
IOWA	**DUBUQUE**	
Power Lawn & Garden Equip.	2551 J.F. Kennedy	52001
LOUISIANA	**LAFAYETTE**	
Jourdan Engine Co.	214 W. Vermillion St. Box 3503	70501
MARYLAND	**TAKOMA PARK**	
Center Supply Co.	6867 New Hampshire Ave.	20912
MASSACHUSETTS	**SPRINGFIELD**	
Morton B. Collins Co.	300 Birnie Ave.	01107
MICHIGAN	**MOUNT CLEMENS**	
Power Equipment Dist.	340 Hubbard	48043
MINNESOTA	**PLYMOUTH**	
Hance Distributing Inc.	12795 16th Ave. North	55441
MISSOURI	**EARTH CITY**	
Oscar Wilson Engine & Parts	4159 Shoreline Dr.	63045
	KANSAS CITY	
Automotive Equip. Service	3117 Holmes St.	64109
NEW JERSEY	**ALLOWAY**	
Piersons	Canal St., Box 494	08001
NEW YORK	**CARTHAGE**	
Gamble Dist., Inc.	West End Ave. Box 389	13619
NORTH CAROLINA	**GREENSBORO**	
Dixie Sales Company	335 N. Green Box 1408	27402
OHIO	**CARROLL**	
Stebe's Mid-State Mower Supply	Box 366, 71 High St.	43112
	CLEVELAND	
Bleckrie, Inc.	7900 Lorain Ave.	44102
	WADSWORTH	
National Central	687 Seville Rd.	44281
	YOUNGSTOWN	
Burton Supply Co.	1301 Logan Ave. Box 929	44501
PENNSYLVANIA	**HARRISBURG**	
EECO Inc.	4021 N. 6th St.	17110
	WILLOW GROVE	
Thompson Rubber Co.	850 Davisville Rd.	19090
	PITTSBURGH	
Bluemont Co.	11101 Frankstown Rd.	15235
	PUNXSUTAWNEY	
Frank Roberts & Sons	R.D. 2	15767
	SCRANTON	
Scranton Auto Ignition Co.	1133-35 Wyoming Ave.	1850
TENNESSEE	**KNOXVILLE**	
Ace Distributors	2103 Magnolia	37917
	MEMPHIS	
American Sales & Service, Inc.	3035-43 Bellbrook	38116
TEXAS	**DALLAS**	
Marr Brothers, Inc.	423 E. Jefferson	75203
	SAN ANTONIO	
Engine House Inc.	4918 Golden Quail	78249
UTAH	**SALT LAKE CITY**	
Powered Products	1661 N. Beck St.	84116
VIRGINIA	**ASHLAND**	
RBI Corp.	101 Cedar Ridge Dr.	23005
WASHINGTON	**SEATTLE**	
Equip. Northwest	1410 14th Ave.	98122
WISCONSIN	**MILWAUKEE**	
Wisconsin Magneto Inc.	4727 N. Teutonia St.	53209
PUERTO RICO	**AGUADILLA**	
CIE & Associates, Inc.	Box 427 Ramey Station	00604

WARRANTY PARTS AND SERVICE POLICY (0588)

The purpose of warranty is to protect the customer from defects in workmanship and materials, defects which are NOT detected at the time of manufacture. It does not provide for the unlimited and unrestricted replacement of parts. Use and maintenance are the responsibility of the customer. The manufacturer cannot assume responsibility for conditions over which it has no control. Simply put, if it's the manufacturer's fault, it's the manufacturer's responsibility; if it's the customer's fault, it's the customer's responsibility.

CLAIMS AGAINST THE MANUFACTURER'S WARRANTY INCLUDES:

1. **Replacement of Missing Parts** on new equipment.
2. **Replacement of Defective Parts** within the warranty period.
3. **Repair of Defects** within the warranty period.

All claims MUST be substantiated with the following information:

1. **Model Number, Serial Number and/or Data Code** of unit involved.
2. **Date** unit was purchased or first put into service.
3. **Date of Failure.**
4. **Nature of Failure.**

MTD PRODUCTS INC • P.O. BOX 360900 • CLEVELAND, OHIO 44136